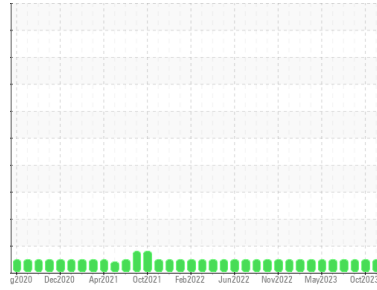




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**HUSKY 2**

Component  
**Hydraulic System**

Fluid  
**AW HYDRAULIC OIL ISO 46 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PTK0004755</b>	PTK0004821	PTK0004763
Sample Date	Client Info	<b>21 Nov 2023</b>	05 Oct 2023	04 Sep 2023
Machine Age	hrs	<b>0</b>	0	0
Oil Age	hrs	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.05	<b>NEG</b>	NEG	NEG

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >20	<b>8</b>	1	6
Chromium	ppm ASTM D5185m >20	<b>&lt;1</b>	0	0
Nickel	ppm ASTM D5185m >20	<b>0</b>	0	<1
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >20	<b>2</b>	0	<1
Lead	ppm ASTM D5185m >20	<b>0</b>	0	<1
Copper	ppm ASTM D5185m >20	<b>&lt;1</b>	<1	<1
Tin	ppm ASTM D5185m >20	<b>0</b>	0	0
Vanadium	ppm ASTM D5185m	<b>0</b>	<1	0
Cadmium	ppm ASTM D5185m	<b>&lt;1</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 5	<b>0</b>	0	0
Barium	ppm ASTM D5185m 5	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m 5	<b>&lt;1</b>	0	0
Manganese	ppm ASTM D5185m	<b>0</b>	0	<1
Magnesium	ppm ASTM D5185m 25	<b>&lt;1</b>	51	0
Calcium	ppm ASTM D5185m 200	<b>2</b>	42	2
Phosphorus	ppm ASTM D5185m 300	<b>195</b>	289	185
Zinc	ppm ASTM D5185m 370	<b>85</b>	290	69
Sulfur	ppm ASTM D5185m 2500	<b>220</b>	720	342

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >15	<b>2</b>	<1	2
Sodium	ppm ASTM D5185m	<b>0</b>	<1	2
Potassium	ppm ASTM D5185m >20	<b>&lt;1</b>	<1	<1

## FLUID CLEANLINESS

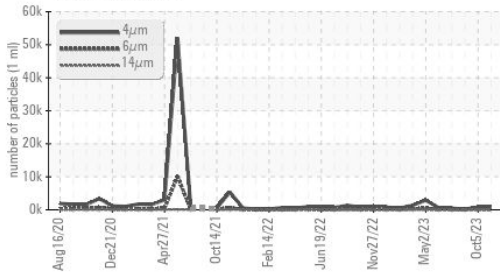
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	<b>815</b>	816	214
Particles >6µm	ASTM D7647 >2500	<b>116</b>	211	54
Particles >14µm	ASTM D7647 >320	<b>8</b>	25	9
Particles >21µm	ASTM D7647 >80	<b>3</b>	10	2
Particles >38µm	ASTM D7647 >20	<b>0</b>	1	0
Particles >71µm	ASTM D7647 >4	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c) >--/18/15	<b>17/14/10</b>	17/15/12	15/13/10

## FLUID DEGRADATION

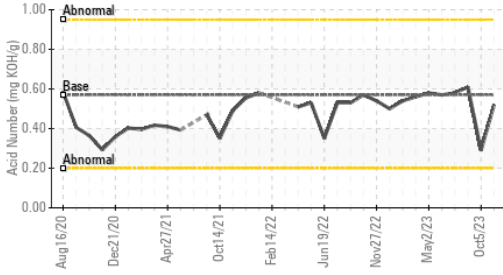
method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 0.57	<b>0.52</b>	0.29	0.61

# OIL ANALYSIS REPORT

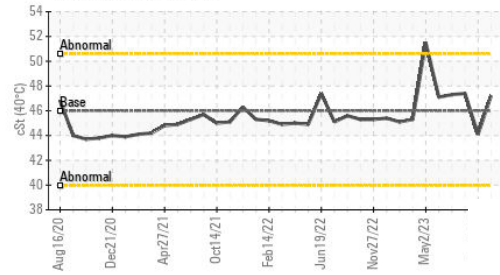
### Particle Trend



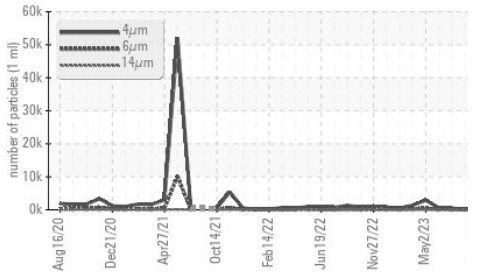
### Acid Number



### Viscosity @ 40°C



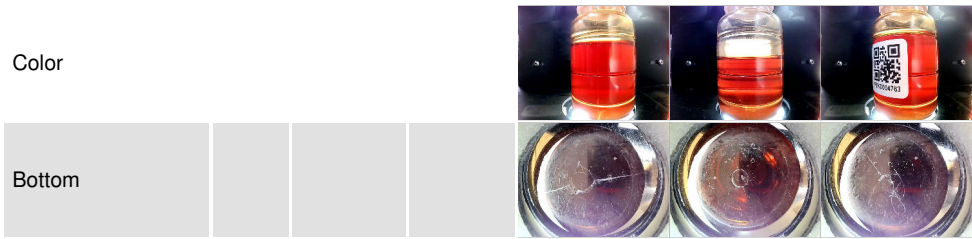
### Particle Trend



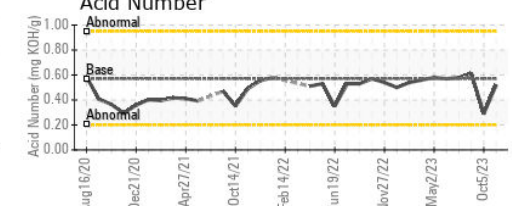
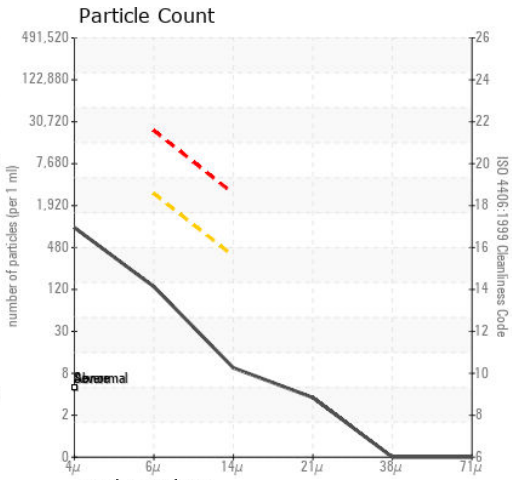
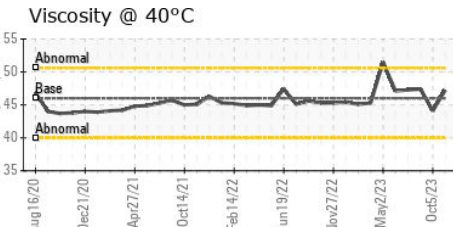
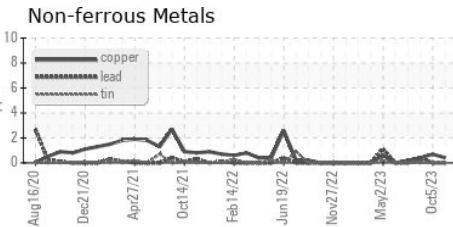
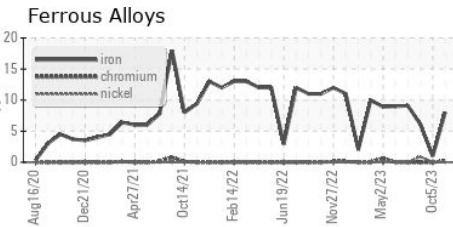
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	47.2	44.1	47.4

SAMPLE IMAGES	method	limit/base	current	history1	history2
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### GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PTK0004755 **Received** : 22 Nov 2023  
**Lab Number** : 06015025 **Diagnosed** : 26 Nov 2023  
**Unique Number** : 10754169 **Diagnostician** : Don Baldrige  
**Test Package** : MOB 2

**NIAGARA WATER BOTTLING - MISSOURI CITY**  
 14810 FAIRWAY PINES DR  
 MISSOURI CITY, TX  
 US 77489  
 Contact: MIKE CONLEE  
 mconlee@niagarawater.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.  
 \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.  
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)